

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . . " line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . . ," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Materials Consumed – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

3. Contract Work – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

4. Resales – Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

5. Produced and Consumed – Forgings, foundries, and screw machine products – Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.

Line No.	Materials, parts, and supplies		Census material code	Consumption of purchased materials and of materials received from other establishments of your company			
				Cost, including delivery cost (freight-in)			
				(E)			
	(A)		571 (B)	574 Millions	Thou-sands	Dollars	
1	FABRICATED METAL PRODUCTS (Except forgings)	Metal stampings	346901 2	\$			
2		All other fabricated metal products	340085 0				
3	Forgings		346000 3				
4	CASTINGS (Rough and semi-finished)	Iron and steel	332001 7				
5		Nonferrous (aluminum, copper, etc.)	336010 4				
6	LEAD AND LEAD ALLOYS	Refined unalloyed lead	333986 8				
7		Antimonial lead	333988 4				
8		Lead-calcium alloyed	333989 2				
9	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL	Sheet and strip	331022 4			
10			All other steel shapes and forms	331085 1			
11		NONFERROUS	Zinc and zinc-base alloy	335697 9			
12			Other nonferrous shapes and forms	335030 3			
13	Litharge		281634 6				
14	Sulfuric acid		281930 8				
15	Other industrial inorganic chemicals (including mercury oxide and silver oxide)		281914 2				
16	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., but excluding sheets, rods, tubes, and shapes		282104 9				

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Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued						
Line No.	Materials, parts, and supplies			Census material code	Consumption of purchased materials and of materials received from other establishments of your company	
					Cost, including delivery cost (freight-in)	
	(A)			571	574	(E)
	(B)				Millions	Thou-sands Dollars
17	Plastics products consumed in the form of sheets, rods, tubes, and other shapes			308007 4	\$	
18	Fabricated plastics products (except gaskets, hoses, and belting)			308006 6		
19	Paperboard containers, boxes, and corrugated paperboard			265001 8		
20	Carbon and graphite electrodes and other carbon and graphite products for electrical use			362406 1		
21	Cost of all other materials and components, parts, containers, and supplies consumed			970099 8		
	Describe the principal materials, etc., included in this value.					
22	TOTAL Sum of lines 1–21 should equal item 10, line a				\$	

Item 18A – Not applicable to this report

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997

INSTRUCTIONS

1. General – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Products – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

3. Contract Work – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

4. Resales – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."

Line No.	Products and services			Census product code	Products shipped and other receipts	
					Value, f.o.b. plant	
	(A)			581	584	(E)
	(B)				Millions	Thou-sands Dollars
1	Storage Batteries, Lead Acid Type, BCI Dimensional Size Group 8D (1.5 cu ft [.042 cu m] and smaller) (36913)	STARTING, LIGHTING, AND IGNITION (SLI) TYPE	For original equipment	36913 11 9	\$	
2			For replacement	36913 12 7		
3		Other than (SLI)		36913 17 6		
4	Storage Batteries, Lead Acid Type, Larger Than BCI Dimensional Size Group 8D (1.5 cu ft [.042 cu m]) (36914)	MOTIVE POWER TYPE	Industrial truck	36914 11 7		
5			Other (including mining and industrial locomotive)	36914 19 0		
	(Continued on next page)					

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued						
Line No.	Products and services (A)		Census product code	Products shipped and other receipts		
			581	Value, f.o.b. plant (E)		
			(B)	584	Thou-	Dollars
	Millions	sands				
6	Storage Batteries, Lead Acid Type, Larger Than BCI	Communication (for central office telephone supervisory equipment, telemetering, and microwave)	36914 21 6	\$		
7	Dimensional Size Group 8D (1.5 cu ft [0.42 cu m]) –	Standby emergency power	36914 22 4			
8	Continued (36914)	Other, including starting, lighting, and ignition (SLI type) for aircraft and marine, fire alarms, and railroad signaling	36914 79 4			
9	STORAGE BATTERIES (Except lead acid) Including parts for all storage batteries (36915)	Nickel cadmium (sealed or vented)	36915 01 5			
10		Other than nickel cadmium	36915 02 3			
11		Parts for storage batteries (excluding cases and containers)	36915 91 6			
12	PRIMARY BATTERIES, (Round and prismatic cells)	Alkaline manganese	36920 11 5			
13		Zinc carbon	36920 13 1			
14		Mercuric oxide	36920 15 6			
15		Lithium	36920 17 2			
16		Other	36920 19 8			
17	PRIMARY BATTERIES, (Button and coin cells)	Silver oxide	36920 21 4			
18		Alkaline manganese	36920 23 0			
19		Zinc air	36920 25 5			
20		Lithium	36920 27 1			
21		Other	36920 29 7			
22	Parts for primary batteries (excluding cases and containers)		36920 09 8			
23	Thermoplastic resins and plastics materials (including resins for protective coatings) (corresponds to detailed data collected on International Trade Commission Schedule Synthetic Organic Chemicals, Section VIII, Plastics and Resin Materials)*		28213 00 7			
24	Lead, secondary smelting, unalloyed (pig, ingots, shot, etc.)		33413 11 3			
25	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT	Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. For all remaining products, write "Other" and report a single total value.	18			
26			26			
27			34			
28			42			
29			59			
30	CONTRACT WORK	Receipts for work done for others on their own materials Describe below products worked on and kind of work.	93000 00 8			
CONTINUE WITH ITEM 18B ON PAGE 8						

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued						
Line No.	Products and services (A)		Census product code 581 (B)	Products shipped and other receipts		
				Value, f.o.b. plant (E)		
				584 Millions	Thou- sands	Dollars
31	MISCELLA-NEOUS RECEIPTS	Sales of scrap and refuse	99980 13 8			
32		Other miscellaneous receipts (including repair work, etc.)	99980 98 9			
33	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6			
34	TOTAL value of shipments and other receipts Sum of lines 1–33, column (E)		77000 00 8	\$		

Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT

INSTRUCTIONS

1. Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.

2. Purchases or receipts of the items specified below should be reported only in item 17.

3. Materials used to produce the items specified below should be reported in item 17.

4. Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.

5. Report quantities in the unit of measure specified in column (D).

Line No.	Item (A)	Census code 591 (B)	Was this operation performed at this establishment during 1997?		Unit of measure for quantities (D)	Quantities produced in this establishment and used in manufacturing other products made in this establishment (E)	
			592 (C)				
			Yes	No			
1	Ferrous foundries	1001 7	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Short tons		
2	NONFERROUS FOUNDRIES (Except die-casting)	Aluminum	1002 5	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Thousand pounds	
3		Copper	1003 3	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
4		Zinc	1004 1	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
5		Other	1005 8	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
6	Nonferrous die-casting foundries	1006 6	1 <input type="checkbox"/>	2 <input type="checkbox"/>			
7	Precision turned products (on screw machines, turning centers, and CNC equipment)	1007 4	1 <input type="checkbox"/>	2 <input type="checkbox"/>			

Items 20 and 21 – Not applicable to this report

REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report (Print or type)		Telephone	Area code	Number	Extension	
667	1		2			
Name of company		Address (Number and street, city, State, ZIP Code)				
Period covered	FROM: Month	Day	Year	TO: Month	Day	Year
	666	1		2		
Signature of authorized person			Title		Date	